Owner’s Manual

ENIGMAcoustics

Sopranino

Electrostatic SuperTweeter

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Heed all warnings.
3. Do not use this apparatus near water, high humid environment.
4. The product is designed for home audio system only.
5. Clean only with soft, dry cloth.
6. Install the unit on stable support and out of reach of children.
7. Do not install near any heat sources such as under direct sunlight, radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
8. Unplug this apparatus during lightning storms or when unused for long periods of time.
9. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way,.

Service

➔ Do not dismantle the unit. There are no user-serviceable parts inside.

➔ All service must be performed by qualified personnel

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Introduction

Dear Audiophile,

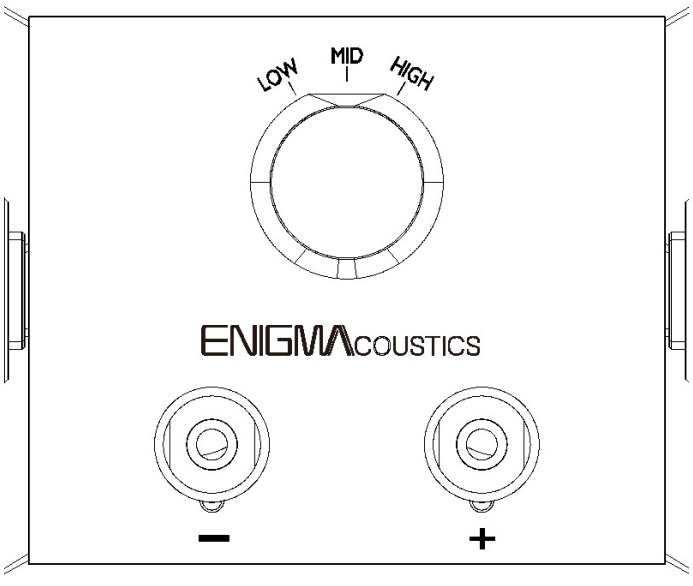
Thank you for choosing ENIGMAcoustics Sopranino, the first SuperTweeter based on electrostatic technology. Sopranino is designed by calibre of industrial design and acoustic engineering with precision hand-crafted component, to complement your loudspeaker system. Before removing from the case and installing, please take time to read these instructions in order to prevent possible damage. The Sopranino SuperTweeter is designed to provide the extended high frequency response demanded by modern high resolution music source. Your main loudspeakers still provide the core of the music, but are supplemented by the Sopranino SuperTweeter at extremely high frequencies.
Musical information contains transient information, beyond the range of human hearing for pure tones. For music to be accurately reproduced, it is essential to accurately preserve this information. Users will find Sopranino can work with a broad range of quality loudspeaker systems. Adjustments are provided with carefully pre-selected crossover frequency and level to enable flexible matching.

Content of Package

- 2 x Sopranino SuperTweeter units
- 1 x owner's manual
- 1 x Wooden package box (always keep for future use)
- 2 x Handling gloves

Overview

Back panel



1. **Crossover Frequency**:

   LOW: Cut off input frequency at lower crossover point

   MID: Cut off input frequency at middle crossover point

   HIGH: Cut off input frequency at higher crossover point

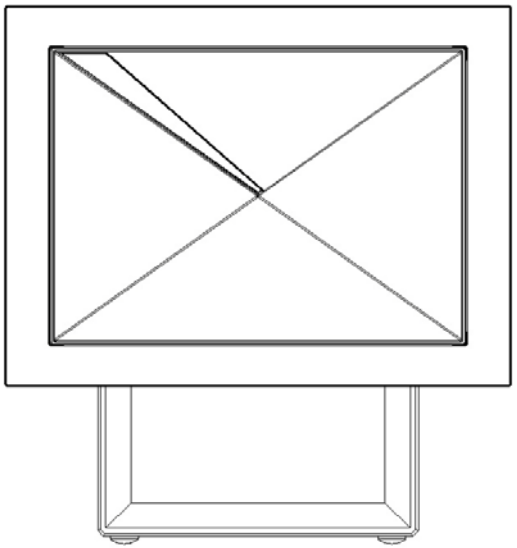
2. **Speaker terminals**:

   +: Parallel connection to main speakers' positive (+) terminal

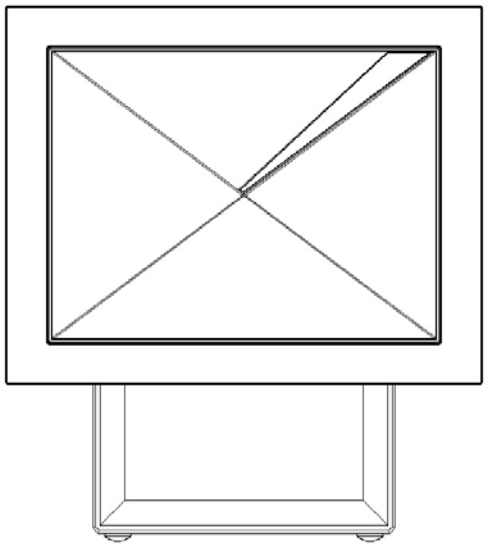
   --: Parallel connection to main speakers' negative(-) terminal

Front View

Left Channel



Right Channel

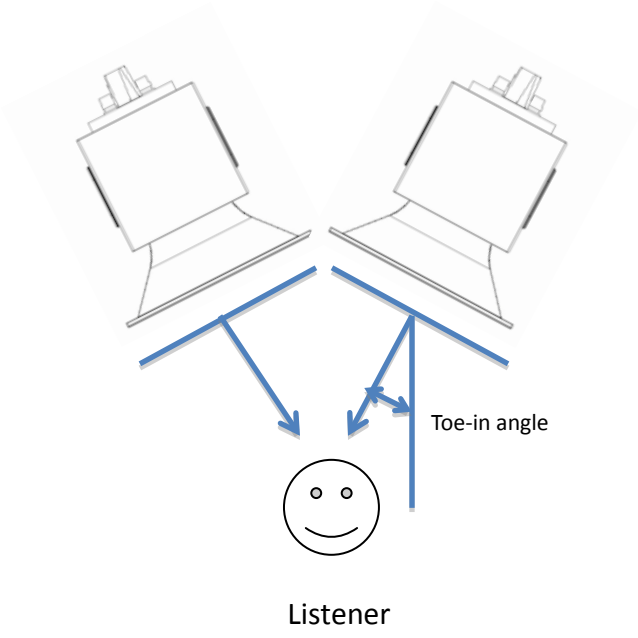


The left and right channels of Sopranino are fully symmetric design for aesthetic and user friendly considerations.

Positioning

To achieve optimal performance:

1. Place speakers on a firm and steady surface.
2. Aim speakers a little toe-in toward the listener by rotating horizontally
3. A wider angle could have better solid image; while narrower angle tends to have bigger sound stage



Connecting

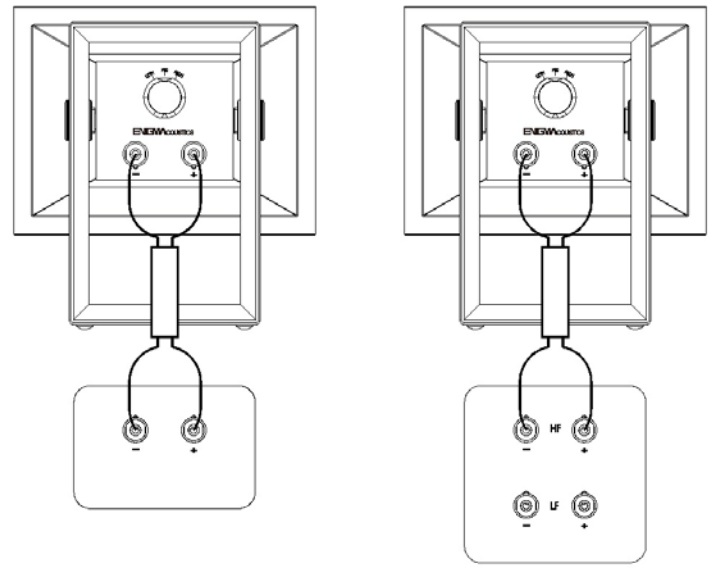
NOTICE: Always turn off the amplifiers and other equipment when installing or uninstalling the units**.**

The SuperTweeter should be connected across your main speakers, positive (red) to positive and negative (black) to negative. Typical wiring:

A. Typical single-wired installation. The SuperTweeter is simply connected across your speaker terminals.

B. Bi-wiring installation. The SuperTweeter is connected across the HF terminals on your loudspeaker.

For optimum performance, only use high quality audio grade cable.



Adjustment and tuning

Crossing over with main loudspeakers

The **Sopranino** is designed for reproducing very high frequency information of music. The Sopranino is equipped with a carefully designed filter to keep out the unwanted low frequency signals from entering the units.

The crossover switch is preset to the following crossover frequency

Crossover	Effect
LOW	Cut off frequency below 8K Hz
MID (Recommended)	Cut off frequency below 10K Hz
HIGH	Cut off frequency below 12K Hz

Matching the main loudspeakers

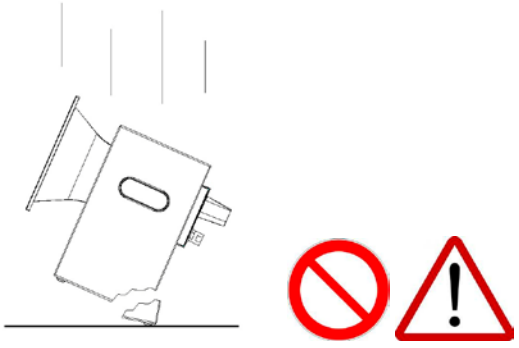
The Sopranino is designed with a nominal sensitivity at 86dB/1m/1W. It is a little bit lower than big floor standing system and comparable to most bookshelf. After extensive system verification and considering characteristics of electrostatic tweeter, we recommended matching your main system by the concept of spectral energy instead of sensitivity. If a system demands more high frequency energy, you may lower the crossover frequency (wider signal bandwidth into Sopranino). If a system is overloaded with high frequency energy, it is advised to raise the crossover frequency (narrower signal bandwidth into Sopranino).

Troubleshooting

Problem	Possible cause	Action
Power on but no sound	No signal from source	Check your amplifier output and cable connection
	Speaker damaged	Swap speakers to check if the problem is caused by speaker failure. If yes, contact local service

Care and Maintenance

Components of the highest quality are used in **Sopranino**. This assures years of trouble free operation. However, precautions should be taken under any circumstances.



Cleaning and Handling

NOTICE: Do not try to disassemble the unit. It is equipped with the delicate NanoFilm ESL tweeter and firmly attached to the main housing. It will be damaged if removed from the

main housing.

The cabinet of Sopranino is made from high quality aerodynamic grade aluminum carefully anodized and brushed for its finish. To clean the cabinet uses a mild moistened cloth only.

The stand of Sopranino is made of highest grade white or gray glass, though tempered, it needs extra care when handling and placement.

Warranty

The warranty only covers faults or defects in material and production. Damage caused as a result of abuse, misuse or defective associated electronics is not covered by the warranty. All warranty claims must be accompanied by a copy of the original purchase warranty in the back of this manual and are only valid in the country or market of original origin and distribution, should warranty service be required.

Technical Specifications

System	Electrostatic supertweeter
Frequency Response (+/- 3 dB)	8 kHz – 40 kHz
Sensitivity (1m/1W on axis)	86 dB
Recommended power	50 W
Crossover Frequency	8/10/12 kHz
Crossover Slope	12db/Oct
Weight (net/shipping)	2.7/10.4 (Kg)
Dimensions (W x H x D)	181 X 193 x 207 (mm)

Serial No:

Model:

ENIGMAcoustics

Warranty Card

Name:

Address:

Date of Purchase:

Sales:

Store Address:

Sopranino

Electrostatic SuperTweeter

ENIGMAcoustics Inc.